

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HIROAKI DOI ET AL  
Serial No.: [NEW] Group Art Unit: (not yet assigned)  
Filed: JULY 29, 2003 Examiner: (not yet assigned)  
Title: ELECTRONIC CIRCUIT DEVICE

INFORMATION DISCLOSURE STATEMENT

**Mail Stop PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

The relevance of these references to the subject matter of the present invention is given in the Background of the Invention in the specification of the present invention.

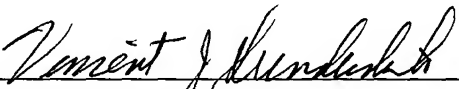
The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 CFR §1.97(e) or fee under 37 CFR §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

If necessary, the paper should be considered as a petition for consideration of the Information Disclosure Statement under 37 CFR §1.97(d)(2) and that the petition fee set forth in 37 CFR §1.17(i) in accordance with 37 CFR §1.97(d)(3) should be charged to Deposit Account No. 05-1323 (Docket #056203.52639US).

Respectfully submitted,

July 29, 2003

  
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FORM PTO-1449	U.S. Department of Commerce Patent & Trademark Office	Attorney Docket No. 056203.52639US	Serial No. [NEW]
<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>  July 29, 2003		Applicant: Hiroaki DOI et al.	
		Filing Date July 29, 2003	Group (Not yet assigned)

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS								
Examiner Initial		Country	Document Number	Date	Class	Sub-Class	TRANSLATION	
							Yes	No
	AK	Japan	09-232341	9/1997			Abstract	
	AL	Japan	2000-183241	6/2000			Abstract	
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
	AQ	A. Nishimura et al., IEEE Transactions on Components, Hybrids, and Manufacturing Technology; Vol. 12, No. 4, pp. 639-645 (December 1989).
	AR	
	AS	
	AT	
	AU	
	AV	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.	